

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
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ATTY. DOCKET NO.

SERIAL NO.

500.33021CX5

09/933,805

APPLICANT

T. NINOMIYA, et al

FILING DATE

August 22, 2001

GROUP

2186

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	4 9 4 7 3 6 7	8/90	Chang et al			
HBP	5 0 3 4 9 1 4	7/91	Osterlund			
HBP	5 2 0 6 9 3 9	4/93	Yanai et al			
HBP	5 3 0 1 3 0 4	4/94	Menon			
HBP	5 3 3 5 3 5 2	8/94	Yanai et al			
HBP	5 4 5 9 8 5 3	10/95	Best et al			
HBP	5 4 6 5 3 8 2	11/95	Day, III, et al			

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
4 2 1 9 8 1 5	8/92	Japan			XX
4 2 8 3 8 2 2	10/92	Japan			XX
5 1 5 8 7 9 7	6/93	Japan			XX
6 1 2 1 5 2 5	1/86	Japan			XX
3 0 1 5 9 5 7	1/91	Japan			XX
5 3 0 7 4 4 0	11/93	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP	A Fast Algorithm for Calculating Offsets During CKD-Emulation, IBM Technical Disclosure Bulletin, Jan. 1991.
HBP	Virtual Count Key Data, IBM Technical Disclosure Bulletin, March 1993.
HBP	System for Blocking Variable Length Records, IBM Technical Disclosure Bulletin, Sept. 1973.

EXAMINER

H.B. Patel

DATE CONSIDERED

04/13/04

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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HBP	5 6 6 4 1 4 4	9/97	Yanai et al			
HBP	5 9 0 9 6 9 2	6/99	Yanai et al			
HBP	6 1 8 5 6 5 3	2/01	Yanai et al			
HBP	6 5 8 7 9 1 9	7/03	Yanai et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
HBP 0 3 4 7 0 3 2	12/89	European			
HBP 0 5 5 9 1 4 2	9/93	European			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP	Rapid Access Method for Fixed Block DASD Records, IBM Technical Disclosure Bulletin, September 1977.

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